

BAY AREA TOLL AUTHORITY

Regional Measure 1
Toll Bridge Projects

Project Monitoring Program

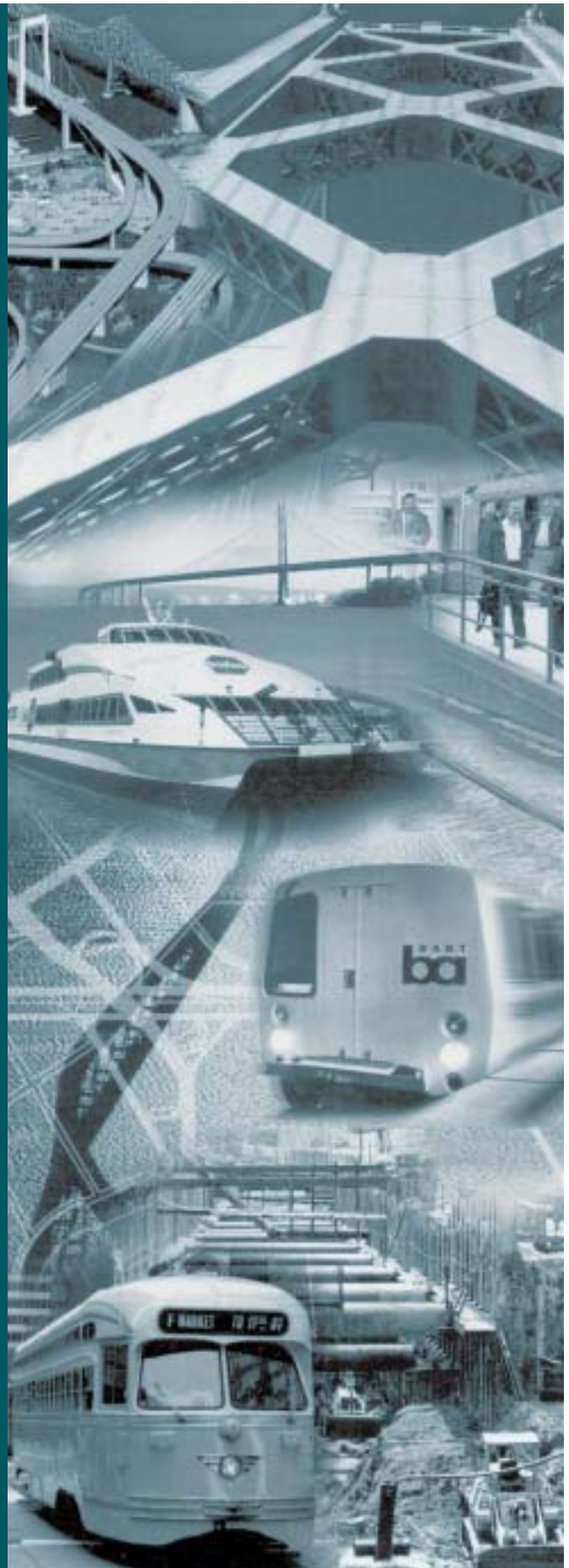
AUGUST 2003 PROGRESS REPORT



Metropolitan Transportation
Commission

Bay Area Toll Authority

Released September 2003



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Prepared for
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Commission

Bay Area Toll Authority

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Prepared by
Bechtel Infrastructure Corporation



The following information is provided in accordance with California Government code Section 7550:

This document is one of a series of reports prepared for the Bay Area Toll Authority (BATA)/Metropolitan Transportation Commission (MTC) for the Regional Measure 1 Toll Bridge Program. The contract value for the monitoring efforts, technical analysis, and field site work which contribute to these reports, as well as the report preparation and production, is \$3,068,993.00.

TABLE OF CONTENTS

Regional Measure 1 Toll Bridge Program	1
Executive Summary - Status of Regional Measure 1 Projects, and Key Issues and Developments	
Northern Bridge Group	2
Southern Bridge Group	4
Cost Status Summary	6
Schedule Status Summary	7
Northern Bridge Group	
New Benicia-Martinez Bridge	8
Carquinez Bridge Replacement	10
Richmond-San Rafael Bridge Rehabilitation	12
Southern Bridge Group	
San Mateo-Hayward Bridge Widening	14
I-880/SR-92 Interchange Improvement	16
Dumbarton Bridge West Approach Projects	18
Appendices	
Appendix A: Project Budget Adjustments.	A-1
Appendix B: Current Approved Contract Change Orders (CCOs)	B-1
Appendix C: Project Cost Summary Details	C-1

REGIONAL MEASURE 1 TOLL BRIDGE PROJECTS



BAY AREA TOLL AUTHORITY

REGIONAL MEASURE 1 TOLL BRIDGE PROGRAM

In November 1988, Bay Area voters approved Regional Measure 1 (RM 1) and authorized a standard auto toll of \$1 for all seven state-owned Bay Area toll bridges. The additional revenues generated by the toll increase were identified for use for certain highway and bridge improvements, public transit rail extensions, and other projects that reduce congestion on the bridges.

RM 1 identified nine specific bridge and highway improvement projects as eligible for funding from the toll increase. The projects identified by RM 1 and their status of development are depicted in the map on the facing page and can be itemized as follows:

Northern Bridge Group Projects:

1. Widening of the existing Benicia-Martinez Bridge (completed; not included in this report)
2. Construction of a new bridge parallel to the existing Benicia-Martinez Bridge
3. Replacement of the existing western span of the Carquinez Bridge
4. Major rehabilitation of the existing Richmond-San Rafael Bridge
 - Trestle and fender rehabilitation
 - Deck rehabilitation
5. Construction of an eastern approach (Richmond Parkway) between the Richmond-San Rafael Bridge and Interstate 80 near Pinole (non-Caltrans project; completed)

Southern Bridge Group Projects:

1. Construction of the West Grand Avenue connector to the San Francisco-Oakland Bay Bridge (completed; not included in this report)
2. Widening of the existing San Mateo-Hayward Bridge and eastern approach to six lanes (completed)
3. Improvement of the Interstate 880/State Route 92 interchange
4. Improvements to the western approaches to the Dumbarton Bridge
 - US 101/University Avenue interchange reconstruction (non-Caltrans project; completed)
 - State Route 84 (Bayfront Expressway) widening (completed).

MTC, BATA, AND THE CALIFORNIA STATE DEPARTMENT OF TRANSPORTATION (CALTRANS)

As the regional transportation planning agency for the San Francisco Bay Area, MTC is responsible for transportation planning, coordinating, and fund programming in the nine counties surrounding the Bay.

With SB 226, MTC, as the Bay Area Toll Authority (BATA), has also assumed certain duties previously held by the California Transportation Commission, including responsibilities for the programming, administration, and allocation of all toll revenues (excluding the seismic surcharge) from the state-owned toll bridges in the Bay Area.







Caltrans continues to be responsible for the ongoing operation of the state-owned bridges, including the collection of tolls, as well as the maintenance, rehabilitation, and capital improvement of the bridges.

PROJECT MONITORING PROGRAM




This report focuses on monitoring project cost and schedule performance for the Regional Measure 1 Toll Bridge Improvement Projects, as measured against approved budget and schedule milestones. The report provides comprehensive project status information at three levels of detail:

- Color-coded executive summary of Regional Measure 1 projects status (program level)
- Detailed status of individual bridge projects (project level)
- Supplemental project and contract information, including budget adjustments, approved construction change orders, and project and contract level cost data, in the appendices.

EXECUTIVE SUMMARY – STATUS OF REGIONAL MEASURE 1 PROJECTS

NORTHERN BRIDGE GROUP	COST	SCHEDULE
New Benicia-Martinez Bridge		
Carquinez Bridge Replacement		
Richmond-San Rafael Bridge Rehabilitation		

Legend:







-  Green = no variance to current budget/schedule
-  Yellow = variance to current budget/schedule (trend), defined as follows:
 For Cost: Project (BATA) contingency use may be required
 For Schedule: Construction contract completion dates delayed by greater than 3 months
-  Red = variance to current budget/schedule, defined as follows:
 For Cost: Project budget change may be required
 For Schedule: "New facility open to traffic" date delayed by greater than 3 months by non-weather-related issues




BAY AREA TOLL AUTHORITY

EXECUTIVE SUMMARY – STATUS OF KEY ISSUES AND DEVELOPMENTS

- On the new bridge contract, pile driving is complete, aside for some remedial work. Several piles at Piers 6 and 7 are not completely driven to their tip elevation and will be completed through the fall. A test rock socket installed at Pier 10 had to be abandoned. Another test rock socket will be installed at Pier 14. A platform for rock socket operations has been constructed at Pier 16. Soffit and stem concrete for the superstructure is in place from the south abutment to Pier 4. The first deck section is scheduled to be poured in September 2003 from the south abutment to Pier 2.
 - Additional costs and delay are still expected in regards to installation of rock sockets, modifications to the superstructure design, and additional support costs. Caltrans is working with the contractor to resolve the construction issues and will report to BATA as they are clarified. The total additional cost, including the noise attenuation, is estimated to be \$250 million.
 - On the I-680/I-780 interchange contract, foundation and concrete operations continue for the interchange structures. On the I-780 to I-680 connector overpass, deck concrete is complete and post-tensioned from Abutment 15 to Abutment 9. Falsework for superstructure construction is in place over northbound I-680 and westbound I-780 from Abutment 9 to Bent 6. Rock socket installation is in progress at Bent 18 on the Benicia shoreline for the transition structure from the new bridge.
 - On the toll plaza contract, the load tests for the cantilever beam are complete. Concrete finishing is underway on the tunnel walls and entrance. On the Operations Building, installation of utilities, exterior windows and drywall continues on the lower and main levels. Installation of roofing and air conditioning units was completed at the end of June 2003. In the courtyard, concrete placement for Retaining Wall 1 is complete.
 - On the I-680/Marina Vista interchange contract, work continues on the Mococo overcrossing. Abutment 1 footing concrete was poured on August 12, 2003. All columns are complete at Bents 2 and 3. All piles are complete at Bent 5. Falsework for superstructure construction is in place from Abutment 9 to Bent 6. Superstructure form installation is in progress from Abutment 9 to Bent 7. Excavation for the northbound Marina Vista off-ramp started on August 25, 2003.
-
- On the replacement bridge contract, welding repairs of the steel deck sections are complete. Installation of the permanent wire railing for maintenance access on the main cable is complete. Both east and west footbridges have been removed. Painting of the cables started on June 9, 2003 and will continue through early September 2003. Construction of the new barrier rail is complete except at construction joints on the east and west ends of the bridge.
 - The cost status code for the project is "yellow" due to increasing support costs and construction claim settlements.
 - Caltrans forecasts that the new bridge will open to traffic in November 2003.
 - On the south approach and interchange contract, installation of the tub girders to close the gap between the new bridge and the south approach were placed on August 23–25, 2003. Erection of superstructure falsework/formwork and deck concrete operations continue for the I-80 on/off-ramps and the Crockett Viaduct. Installation of mechanically stabilized earth (MSE) wall panels is complete for Retaining Wall 2 at the westbound off-ramp. On westbound I-80, excavation and paving are in progress in the median. The D3 Retaining Wall panels are being poured.
-
- On the trestle replacement, work continues on demolition and pile installation along the interior and exterior of the existing eastbound and westbound trestles. Working eastward, interior pile installation has progressed to Bent 25 of 37 and pile cleanout and concrete placement is in progress at Bents 17 through 19. Exterior pile installation is progressing with pile drill out and pour at Bent 5 of 37. Pile caps have been placed at Bents 1 and 2. The first precast deck sections are being fabricated in Petaluma for site delivery in September 2003.
 - The cost and schedule status codes for the project are "yellow" while Caltrans reevaluates the scope and schedule of the deck rehabilitation work. Rehabilitation of the deck cannot begin until the seismic work on the bridge is complete.

EXECUTIVE SUMMARY – STATUS OF REGIONAL MEASURE 1 PROJECTS

SOUTHERN BRIDGE GROUP	COST	SCHEDULE
San Mateo-Hayward Bridge Widening		
I-880/SR-92 Interchange Improvement		
Dumbarton Bridge West Approach Projects (Bayfront Expressway)		

- Legend:**
-  Green = no variance to current budget/schedule
 -  Yellow = variance to current budget/schedule (trend), defined as follows:
For Cost: Project (BATA) contingency use may be required
For Schedule: Construction contract completion dates delayed by greater than 3 months
 -  Red = variance to current budget/schedule, defined as follows:
For Cost: Project budget change may be required
For Schedule: “New facility open to traffic” date delayed by greater than 3 months by non-weather-related issues

BAY AREA TOLL AUTHORITY

EXECUTIVE SUMMARY – STATUS OF KEY ISSUES AND DEVELOPMENTS

- On the bridge-widening contract, both the new westbound and the reconstructed eastbound trestles are complete and fully operational. Caltrans has accepted the contract and is in the process of resolving claims and closing the contract. Although final settlement of outstanding claims may require utilization of project contingency, a project budget change is not anticipated.

- Caltrans submitted the Final Environmental Impact Statement Report (FEIS/R) for the project to the Federal Highway Administration (FHWA) for approval on August 8, 2003. A Record of Decision from FHWA is anticipated in November 2003.
- Caltrans is currently preparing the plans, specifications, and estimates for the project.
- Based on the delayed project delivery and the associated escalation cost, the status code for the project cost is "yellow." As the design progresses, Bechtel will further review the cost estimates.

- On the Bayfront Expressway widening contract, the widened expressway officially opened to traffic on July 29, 2003, seven weeks ahead of schedule. New traffic lights are operational at all intersections. Installation of miscellaneous electrical and punchlist items continue at various locations.
- The overall construction contract is forecast to be completed in September 2003.
- Caltrans has recently awarded a follow-on contract at the Ravenswood Triangle area for environmental mitigation. The work involves wetland reconstruction and habitat restoration for the salt water harvest mouse.

COST STATUS SUMMARY (MILLION DOLLARS)

PROJECT	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Expended To Date (7/98 - 7/03)
<i>Northern Bridge Group</i>				
New Benicia-Martinez Bridge	586.0	652.8	904.8 ²	295.0
Carquinez Bridge Replacement	433.2	479.8	499.8	378.7
Richmond-San Rafael Bridge Rehabilitation				
► West Trestle and Fender Rehabilitation	45.4	35.4	35.4	21.2
► Deck Rehabilitation	53.4	53.4	53.4	0.3
Richmond Parkway (<i>Non-Caltrans</i>) ¹	5.9	5.9	5.9	2.4
SUBTOTAL - NBG	1,123.8	1,227.2	1,499.2	697.6
<i>Southern Bridge Group</i>				
San Mateo-Hayward Bridge Widening				
► Widening	203.6	217.5	217.5	193.9
► West Approach Replacement Planting	0.4	0.4	0.4	0.0
I-880/SR-92 Interchange Improvement	124.2	133.8	149.3	14.2
Dumbarton Bridge West Approach Projects				
► US-101/University Avenue Interchange Reconstruction (<i>Non-Caltrans</i>)	3.8	3.8	3.8	3.7
► Bayfront Expressway (SR-84) Widening	33.8	36.0	36.0	30.4
SUBTOTAL - SBG	365.7	391.4	406.9	242.3
GRAND TOTAL	1,489.5	1,618.6	1,906.1	939.9

¹ For the Richmond Parkway, values shown represent the portion funded by BATA.

² Due to project delays and other difficulties associated with deep water pile driving operations, project costs for the New Benicia-Martinez Bridge are expected to significantly exceed the budget. Bechtel's forecast of the cost increase will be included in a future PMP report.

BAY AREA TOLL AUTHORITY

SCHEDULE STATUS SUMMARY

PROJECT	New Facility Open to Traffic Baseline (June 2000)	New Facility Open to Traffic Current (June 2003)	New Facility Open to Traffic Forecast (Aug 2003)
<i>Northern Bridge Group</i>			
New Benicia-Martinez Bridge	Jan 04	Dec 04	Dec 05 ²
Carquinez Bridge Replacement	Jan 03	Oct 03	Nov 03
Richmond-San Rafael Bridge Rehabilitation			
▶ West Trestle and Fender Rehabilitation ¹	Dec 04	Sep 04	Feb 05
▶ Deck Rehabilitation ¹	Sep 06	Jul 07	Jul 07
Richmond Parkway (<i>Non-Caltrans</i>)	Feb 01	May 01	May 01
<i>Southern Bridge Group</i>			
San Mateo-Hayward Bridge Widening			
▶ Widening	Dec 02	Nov 02	Nov 02
▶ West Approach Replacement Planting ¹	May 08	May 08	May 08
I-880/SR-92 Interchange Improvement	Dec 06	Jun 09	Jun 09
Dumbarton Bridge West Approach Projects			
▶ US-101/University Avenue Interchange Reconstruction (<i>Non-Caltrans</i>) ¹	Apr 00	Apr 00	Apr 00
▶ Bayfront Expressway (SR-84) Widening ¹	Mar 03	Oct 03	Jul 03

¹ For the Richmond-San Rafael Bridge Rehab, San Mateo-Hayward Bridge West Approach Planting, and Dumbarton Bridge West Approach projects, the dates shown reflect construction completion; the existing facility remains open to traffic during all phases of construction.

² Completion of the Benicia-Martinez Bridge is expected to be delayed at least 12 to 18 months beyond the current schedule date of December 2004.

NEW BENICIA-MARTINEZ BRIDGE

The existing Benicia-Martinez Bridge provides Interstate 680 access across the Carquinez Strait between Contra Costa and Solano counties. This project will construct a new parallel Benicia-Martinez Bridge east of the existing span that will include the following features:

- Five northbound lanes on the new bridge (four mixed-flow lanes and one slow-vehicle lane) that will allow conversion of the existing bridge to southbound traffic only
- A new bicycle/pedestrian lane on the existing bridge
- A new toll plaza south of the new bridge in Contra Costa County with 17 toll booths, including two high-occupancy-vehicle (HOV) bypass lanes
- Reconstruction of the Interstate 680/Marina Vista Road and Interstate 680/Interstate 780 interchanges

Project Photos



I-680 West to I-780 North looking east



Marina Vista Superstructure Formwork



Rotator at Pier 10

Current Activities:

- On the new bridge contract, soffit and stem superstructure concrete in place from the south abutment to Pier 4. The first deck section, from the south abutment to Pier 2, is scheduled to be poured in early September, 2003.
- Several pile casing tips are damaged at Piers 6 and 7. These piles will be driven to their final tip elevation after the casings are repaired. On the north trestle, the platform for the installation of rock sockets at Pier 16 is in place. Two rotators for socket installation are scheduled to work on the project, one for deep water, one for shallow water. The deep-water rotator was mobilized to Pier 10 and started the test rock socket on August 8, 2004. Difficulties were encountered during installation and work was halted on August 19, 2003. An additional test rock socket will be installed at Pier 14.
- On the I-680/I-780 interchange contract, abutments and bent caps for the eastbound West Arsenal widening were poured on August 11, 2004. Girders to span from Abutment 1 to Abutment 5 were installed on August 28, 2003. On the I-780 to I-680 connector overpass, deck concrete is now in place and post-tensioned from Abutment 15 to Abutment 9. Falsework erection for superstructure construction continues from Abutment 9 to Bent 6 over northbound I-680 and westbound I-780. On northbound I-680, asphalt paving was completed on August 28, 2003. On the north side of I-680, Retaining Walls 2 and 6 are complete. On the Benicia shoreline, CIDH pile installation continues at Bent 18.
- On the toll plaza contract, beam load tests were completed on August 14, 2004. Finishing the tunnel walls and excavation for mechanical duct installation is underway. On the Operations Building, aluminum composite panels are being installed on the parapet. Utilities and interior drywall installation continue on the lower and main floors. Elevator installation has begun. In the courtyard, backfilling operations are complete for the south and front retaining walls. Backfilling the courtyard area is complete.
- On the I-680/Marina Vista interchange contract, the footing was poured at Abutment 1 on August 12, 2003 for the Mococo Overcrossing. All columns are complete at Bents 2 and 3. Access is ready for foundation pile installation at Bent 4. All six piles are complete at Bent 5. Falsework and formwork erection is in progress for the superstructure between Bent 6 and Abutment 9. Work is in progress at various retaining walls on the project.

BAY AREA TOLL AUTHORITY

NEW BENICIA-MARTINEZ BRIDGE

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Variance	Expended to Date (7/98 - 7/03)	Notes
Capital Outlay Construction						
South Approach	6.0	7.0	7.0	0.0	6.7	
New Bridge	247.3	307.5	307.5	0.0	134.5	A
Toll Plaza and Administration Building	22.8	21.4	21.4	0.0	9.1	
I-680/Marina Vista Interchange	43.2	45.1	45.1	0.0	14.6	
I-680/I-780 Interchange	80.8	54.7	54.7	0.0	34.3	
Other Budgeted Capital	28.1	30.0	30.0	0.0	1.7	
Capital Outlay Support	78.2	105.0	105.0	0.0	78.2	A
Capital ROW	21.1	20.9	20.9	0.0	11.4	
Non-BATA Funding	0.0	31.0	31.0	0.0	4.7	
Project (BATA) Contingency	58.4	30.1	282.1	252.0		A
Project Total (a)	586.0	652.8	904.8	252.0	295.0	A
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (June 2003)	Forecast (Aug 2003)	Variance	Notes
Construction Contract Completion					
New Bridge	Jan 04	Dec 04	Dec 05	+12	A
Toll Plaza and Administration Building	Feb 03	May 04	Jun 04	+1	
I-680/Marina Vista Interchange	Dec 03	Dec 04	Jan 05	+1	
I-680/I-780 Interchange	Dec 03	Jan 05	Jan 05	0	
I-680/I-780 I/C Electrical Completion		Jan 05	Jun 05	+5	B
South Approach	Mar 01	Oct 01	Oct 01	0	Complete
Modify Existing Bridge	Jul 05	Dec 06	Dec 06	0	
Project					
New Facility Open to Traffic	Jan 04	Dec 04	Dec 05	+12	A

NOTES	ACTION
<p>A. In addition to the significant cost and schedule impacts associated with the pile driving/fish takes mitigation strategy, other significant cost increases have been identified. These cost increases are associated with difficulty in driving the foundation piles to required tip elevation, installation of the foundation rock sockets below the pile tips, corrections to the design of the superstructure, and additional support services. The total additional costs may exceed \$250 million. An estimate of the revised project cost will be included in a future PMP report. Construction completion of the new bridge is expected to be delayed at least 12 to 18 months beyond the current scheduled contract completion of December 2004.</p> <p>B. Electrical work on the I-680/I-780 contract cannot be completed prior to completion of the New Bridge.</p>	<p>Caltrans is evaluating the costs and schedule impacts. Bechtel will evaluate these impacts as they are developed by Caltrans. BATA is evaluating strategies to fund the cost overrun.</p> <p>Electrical work will be completed in conjunction with the New Bridge.</p>

CARQUINEZ BRIDGE REPLACEMENT

The existing Carquinez Bridge carries Interstate 80 traffic between the cities of Vallejo and Crockett on two separate bridges: the 1927 bridge for westbound traffic and the 1958 bridge for eastbound traffic. While the 1958 bridge is being strengthened under Caltrans' seismic retrofit program, the 1927 bridge has been identified as being seismically deficient and will be replaced under the RM 1 program. The Carquinez Bridge replacement project will construct a new suspension bridge west of the existing bridges. The existing 1927 bridge will be demolished after the completion of this project. The project will incorporate the following features:

- Four westbound lanes on the new bridge (three mixed-flow lanes and one HOV lane)
- A new bicycle/pedestrian lane on the new bridge



On-Off Ramps at Pomona

Project Photos



South Interchange On/Off Ramps



Tub Girder Erection

Current Activities:

- On the replacement bridge and north approach contract, repair of the steel deck sections is complete. Painting of the main and suspension cables started on June 9, 2003 and will continue into September. Both east and west footbridges have been removed. The east and west barrier rails are complete except at the end construction joints. Installation of lighting is complete and other electrical wiring installation is underway. Work has resumed at the North Vista Point. Forming and pouring the Pier 1 soffit is underway.
- Caltrans is forecasting that the new bridge will open to traffic in November 2003.
- On the south approach and interchange contract, deck concrete is complete between Bents 6 and 7 of the Crockett Viaduct. Tub girders (to span the Union Pacific Railroad tracks between Bent 7 and Pier 1) arrived on site the week of August 18, 2003 and were installed between August 23 and August 25, 2003. On the westbound on-ramp, the deck is poured from the south abutment on Pomona. Falsework erection is complete for the eastbound off-ramp from the new bridge and form installation for the superstructure is underway. On westbound I-80, traffic was shifted onto the D3 Line on July 22, 2003 to allow median work to continue. The D3 Retaining Wall has started with the first panel poured on August 11, 2003. Construction of the wall will continue through September 2003.

BAY AREA TOLL AUTHORITY

CARQUINEZ BRIDGE REPLACEMENT

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Variance	Expended to Date (7/98 - 7/03)	Notes
Capital Outlay Construction						
Replacement Bridge and North Approach	213.7	239.2	239.2	0.0	209.7	A
South Approach and Interchange	116.0	73.9	73.9	0.0	52.8	
Maintenance Facility (Phases I & II)	7.0	8.1	8.1	0.0	7.8	
1927 Bridge Demolition	16.0	16.0	16.0	0.0	0.0	
Other Budgeted Capital	10.6	11.5	11.5	0.0	6.3	
Capital Outlay Support	43.7	108.4	108.4	0.0	92.8	A
Capital ROW	9.6	11.1	11.1	0.0	9.3	
Project (BATA) Contingency	16.5	11.6	31.6	20.0		A
Project Total (a)	433.2	479.8	499.8	20.0	378.7	A

(a) Totals may be rounded

SCHEDULE STATUS	Baseline (June 2000)	Current (June 2003)	Forecast (Aug 2003)	Variance	Notes
Construction Contract Completion					
Replacement Bridge & North Approach	Dec 03	May 04	May 04	0	
South Approach and Interchange (Phase 1)	Feb 03	Aug 03	Oct 03	+2	
South Approach and Interchange (Phase 2)		Oct 04	Feb 04	-8	
Maintenance Facility	Mar 02	Sep 02	Sep 02	0	Complete
1927 Bridge Demolition	Mar 06	Mar 06	Mar 06	0	
Project					
New Facility Open to Traffic	Jan 03	Oct 03	Nov 03	+1	

NOTES

A. Based on current information, Bechtel estimates that potential claims and additional support services costs may increase the total project cost by an additional \$20 million for a total project cost of \$500 million. Bechtel will assist in the review of potential claims and support cost increases on the project. The results of this review will be included in a future PMP report.

ACTION

Caltrans is seeking additional information in order to properly evaluate these potential cost increases.

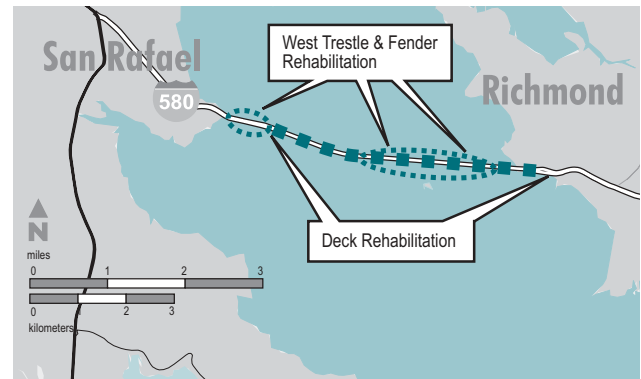
RICHMOND-SAN RAFAEL BRIDGE REHABILITATION

Completed in 1956, the Richmond-San Rafael Bridge provides access - via Interstate 580 - across San Francisco Bay between Marin and Contra Costa counties. Major rehabilitation of the bridge was specified in RM 1 to be eligible for toll funding.

Currently, there are two major rehabilitation projects planned for the bridge:

- The first project is to replace the western trestle (low-rise) section of the bridge near San Rafael and rehabilitate the ship collision protection fender system at various bridge piers. This rehabilitation work is being combined with a seismic retrofit project.
- The second project is to rehabilitate the existing concrete deck on the bridge. The cast-in-place concrete riding surface (deck) has been worn over

time due to traffic and exposure to the marine environment. This project will follow the completion of the trestle and fender rehabilitation project to avoid possible construction conflicts.



Project Photos



Bent 1 Pile Cap



Westbound Trestle Demolition

Current Activities:

- The west trestle replacement consists of rebuilding the eastbound and westbound trestles near San Quentin. The trestles are parallel for most of their length and diverge to carry traffic onto or from the upper or lower deck of the main bridge. The westbound trestle, serving the upper deck, is 2,844 feet (867 meters) between Bents 1 and 29; the eastbound trestle, serving the lower deck, is 3,635 feet (1,108 meters) between Bents 1 and 37. The trestle replacement procedure consists of reducing lane width, demolishing an 8 feet (2 meters) linear section of interior bridge deck, installing a temporary interior work trestle, and installing interior sixty-six inch (1,680 mm) cast-in-drilled-hole (CIDH) piles at the mid-span of every other existing 50-foot (15 meter) deck section. When installation of the interior piles is well advanced, a similar operation is repeated on the exterior, where a section of exterior bridge deck is removed and exterior piles are installed. After installation of the piles, pile caps are cast in place below the existing superstructure, atop the opposing new interior and exterior piles. Following pile cap construction, one trestle at a time is closed at night for superstructure replacement. Each night, two of the existing 50-foot (15 meter) sections are removed and replaced with one 100-foot (30 meter) precast section.
- Construction continues from west to east on the interior and exterior sections of the existing eastbound and westbound trestles. Interior pile installation is currently at Bent 25 of 37 with drill-out and concrete infill of the pile casings at Bents 17 through 19 of 37. Exterior demolition of the guardrail and a six feet width of bridge deck is progressing from west to east. Drill out and pour of the exterior piles is at Bent 5. The first pile cap was installed at Bent 1 on July 31, 2003. The first pre-cast deck replacement section is being fabricated in Petaluma for installation in September, 2003.

BAY AREA TOLL AUTHORITY

RICHMOND-SAN RAFAEL BRIDGE REHABILITATION

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Variance	Expended to Date (7/98 - 7/03)	Notes
West Trestle and Fender Rehabilitation						
Capital Outlay Construction	33.9	0.0	0.0	0.0	0.0	
Capital Outlay Support	5.4	0.7	0.7	0.0	0.7	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Non-BATA Funding	0.0	34.6	34.6	0.0	20.5	
Project (BATA) Contingency	6.1	0.0	0.0	0.0		
Subtotal	45.4	35.4	35.4	0.0	21.2	
Deck Rehabilitation						
Capital Outlay Construction	33.0	33.0	33.0	0.0	0.0	
Capital Outlay Support	9.0	5.0	5.0	0.0	0.3	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Non-BATA Funding	0.0	4.0	4.0	0.0	0.0	
Project (BATA) Contingency	11.4	11.4	11.4	0.0		
Subtotal	53.4	53.4	53.4	0.0	0.3	
Project Total (a)	98.8	88.8	88.8	0.0	21.5	
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (June 2003)	Forecast (Aug 2003)	Variance	Notes
Construction Contract Completion					
West Trestle and Fender Rehabilitation	Dec 04	Sep 04	Feb 05	0	A
Deck Rehabilitation	Sep 06	Jul 07	Jul 07	0	A
Project					
New Facility Open to Traffic					B

NOTES	ACTION
A. The deck rehabilitation will follow the completion of the retrofit project.	Caltrans is reviewing the forecast completion date of the deck rehabilitation contract.
B. The existing facility remains open to traffic during all phases of construction.	None.

SAN MATEO-HAYWARD BRIDGE WIDENING

In 1996, the western approach to the San Mateo-Hayward Bridge from U.S. Route 101 was widened from four to six lanes to match the configuration of the high-rise section of the bridge. The current project completed the widening work in this corridor along the low-trestle section of the bridge and its eastern approach to Interstate 880. The project includes the following features:

- Widening of the low-rise trestle and eastern approach from I-880 from four to six lanes with shoulders
- Extension of the existing west-bound HOV lane one mile west along the eastern approach from Interstate 880
- Construction of a new pedestrian/bicycle overcrossing of State Route 92
- Expansion of the existing toll plaza
- Improvements to the Hayward Shoreline Interpretive Center



Mini Toll Plaza

Project Construction Progress and Photos



Trestle looking west



Pedestrian Overcrossing

Current Activities:

- On the bridge-widening contract, construction is complete and both trestles are open to traffic. Caltrans accepted the contract on March 6, 2003 and is in the process of closing the contract and resolving claims on the project. Final settlement of outstanding claims may require utilization of project contingency.

BAY AREA TOLL AUTHORITY

SAN MATEO-HAYWARD BRIDGE WIDENING

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Variance	Expended to Date (7/98 - 7/03)	Notes
Widening						
Capital Outlay Construction						
Widen Trestle	124.8	128.9	128.9	0.0	126.4	A
Widen Roadway	29.2	26.1	26.1	0.0	25.5	
Construct Mini Toll Plaza	4.4	6.3	6.3	0.0	6.0	
Other Budgeted Capital	8.9	8.6	8.6	0.0	3.3	
Capital Outlay Support	15.5	40.1	40.1	0.0	32.3	
Capital ROW	1.5	1.5	1.5	0.0	0.5	
Project (BATA) Contingency	19.3	6.0	6.0	0.0		A
Subtotal	203.6	217.5	217.5	0.0	193.9	
West Approach Planting						
Capital Outlay Construction	0.2	0.2	0.2	0.0	0.0	
Capital Outlay Support	0.1	0.1	0.1	0.0	0.0	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Project (BATA) Contingency	0.1	0.1	0.1	0.0		
Subtotal	0.4	0.4	0.4	0.0	0.0	
Project Total (a)	204.0	217.9	217.9	0.0	193.9	
(a) Totals may be rounded						

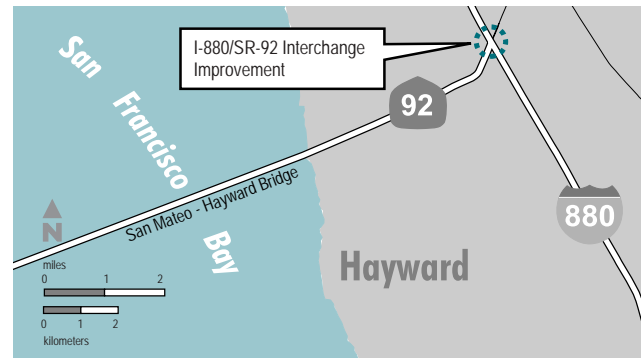
SCHEDULE STATUS	Baseline (June 2000)	Current (June 2003)	Forecast (Aug 2003)	Variance	Notes
Construction Contract Completion					
Widening					
Widen Trestle	Dec 02	Feb 03	Feb 03	0	Complete
Construct Mini Toll Plaza	Nov 02	Nov 02	Nov 02	0	Complete
Widen Eastern Approach	Nov 02	Sep 01	Sep 01	0	Complete
Pedestrian Overcrossing	Sep 02	Sep 02	Sep 02	0	Complete
West Approach Planting					
West Approach Replacement Planting	May 08	May 08	May 08	0	
Project					
New Facility Open to Traffic	Dec 02	Nov 02	Nov 02		
NOTES			ACTION		

A. Final settlement of outstanding claims may require utilization of the project contingency.

Caltrans is currently working with the contractor to resolve outstanding claims

I-880/SR-92 INTERCHANGE IMPROVEMENT

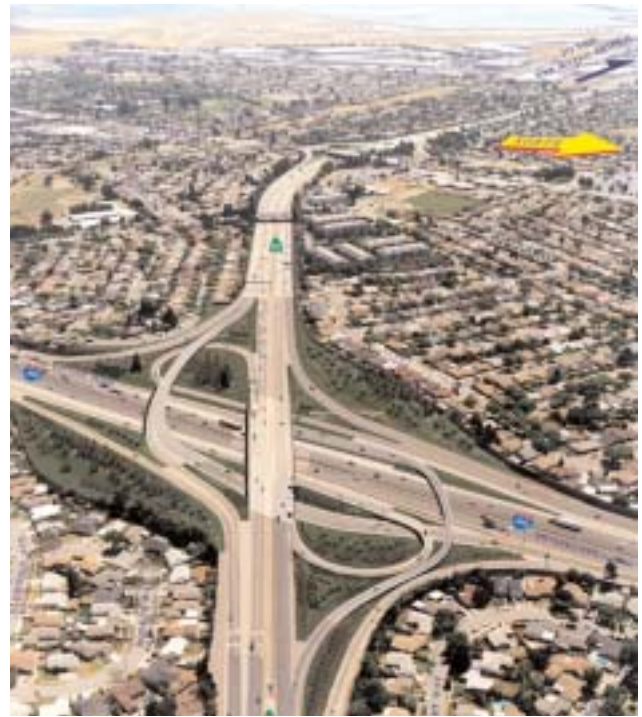
As part of an effort to improve traffic flow and to relieve congestion on the San Mateo-Hayward Bridge and its approaches, RM 1 identified the need to improve and reconstruct the Interstate 880/State Route 92 interchange. While still in the environmental clearance phase, the project proposes to modify the existing cloverleaf interchange to increase capacity and improve safety and traffic operations. Various alternatives are under consideration and are being assessed as part of the environmental process.



Project Photos



Existing Interchange; looking west



Alternative H Interchange; looking west

Current Activities:

- The Final Environmental Impact Statement/Report (FEIS/R) was submitted to the Federal Highway Administration (FHWA) for formal approval on August 8, 2003. A Record of Decision (ROD) is anticipated in November 2003.

BAY AREA TOLL AUTHORITY

I-880/SR 92 INTERCHANGE IMPROVEMENT

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Variance	Expended to Date (7/98 - 7/03)	Notes
I-880/SR-92 Interchange Improvement						
Capital Outlay Construction	70.3	85.2	85.2	0.0	0.0	A
Capital Outlay Support	20.8	24.1	24.1	0.0	14.2	
Capital ROW	8.0	9.9	9.9	0.0	0.0	
Non-BATA Funding	0.0	9.6	9.6	0.0		B
Project (BATA) Contingency	25.1	5.1	20.6	15.5	0.0	A
Project Total (a)	124.2	133.8	149.3	15.5	14.2	A
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (June 2003)	Forecast (Aug 2003)	Variance	Notes
Construction Contract Completion					
I-880/SR-92 Interchange Improvement	Dec 06	Jun 09	Jun 09	0	
Project					
New Facility Open to Traffic	Dec 06	Jun 09	Jun 09	0	

NOTES	ACTION
A. Due to the delayed delivery of the project, additional funds may be necessary for escalation. Bechtel has forecast a potential project increase of \$15 million, resulting in a total project cost of \$150 million.	BATA will prepare a check estimate when 60% engineering design is achieved.
B. Alameda County Transportation Authority (ACTA), which has committed nearly \$10 million to the project for right-of-way costs, has requested to fund capital outlay construction instead of right-of-way with their Measure B funding. The amount was adjusted from \$10 to \$9.6 million in this report to reflect the actual funding commitment.	BATA is evaluating ACTA's request.

DUMBARTON BRIDGE WEST APPROACH PROJECTS

RM 1 identified the need for improvements to the western approaches to the Dumbarton Bridge. Through coordination with the City/County Association of Governments of San Mateo County, two projects were identified for toll bridge funding:

- The first project, sponsored by the City of East Palo Alto, modified the U.S. Route 101/University Avenue interchange. This project was designed to alleviate traffic congestion and improve overall traffic flow to University Avenue and the Dumbarton Bridge.
- The second project, sponsored by Caltrans, widens the Bayfront Expressway (State Route 84) from the Dumbarton Bridge to the U.S. 101/Marsh Road interchange. The six-lane expressway section from the bridge to University Avenue is reconstructed with upgraded shoulders and lane widths. The existing expressway section from University Avenue to Marsh Road is widened from four to six lanes.



Project Photos



Bayfront at Willow Road.



Bayfront at Marsh Road

Current Activities:

- The Bayfront Expressway (SR-84) widening contract was officially opened to traffic on July 29, 2003. All permanent lights at the intersections are operational. Other electrical and punchlist work continue at various locations on the project.
- A follow-on contract has been awarded at the Ravenswood Triangle for wetland reconstruction and habitat restoration for the water harvest mouse.

BAY AREA TOLL AUTHORITY

DUMBARTON BRIDGE WEST APPROACH PROJECTS

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (June 2003)	Current Forecast (Aug 2003)	Variance	Expended to Date (7/98 - 7/03)	Notes
US101/University Avenue Interchange Reconstruction (Non-Caltrans)						
Capital Outlay Construction	3.8	3.8	3.8	0.0	3.7	
Capital Outlay Support	0.0	0.0	0.0	0.0	0.0	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Project (BATA) Contingency	0.0	0.0	0.0	0.0		
Subtotal	3.8	3.8	3.8	0.0	3.7	
Bayfront Expressway (SR84) Widening						
Capital Outlay Construction	24.8	26.6	26.6	0.0	23.2	
Capital Outlay Support	4.4	8.7	8.7	0.0	7.1	
Capital ROW	1.3	0.2	0.2	0.0	0.2	
Project (BATA) Contingency	3.3	0.5	0.5	0.0		
Subtotal	33.8	36.0	36.0	0.0	30.4	
Project Total (a)	37.6	39.8	39.8	0.0	34.1	
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (June 2003)	Forecast (Aug 2003)	Variance	Notes
Construction Contract Completion					
US 101/University Avenue Interchange Reconstruction (<i>Non-Caltrans</i>)	Apr 00	Apr 00	Apr 00	0	Complete
Bayfront Expressway (SR84) Widening	Mar 03	Oct 03	Sep 03	-1	
Project					
New Facility Open to Traffic	Mar 03	Oct 03	Jul 03	-3	
NOTES			ACTION		

APPENDICES

Appendix A: Project Budget Adjustments

Appendix B: Current Approved Contract Change Orders

Appendix C: Project Cost Summary Details



BAY AREA TOLL AUTHORITY

APPENDIX A – LIST OF PROJECT BUDGET ADJUSTMENTS

DEFINITIONS:

Baseline Budget (June 2000): Baseline budgets as established by BATA in June 2000 for each project within the overall program.

Current Budget: Budget currently serving as the baseline for monitoring purposes. The current budget is equal to the established June 2000 budget, plus or minus any adjustment as listed below.

Project Baseline Adjustments

Date	Description of Adjustment
10/2000	Current Budgets for allocated capital outlay adjusted by BATA to reflect current Caltrans construction contract allotments.
11/2000	Current Budgets for the Benicia-Martinez and Richmond-San Rafael Bridge projects revised to reflect new funding from Non-BATA sources per agreements with Caltrans and a Prop. 192 refund from Caltrans related to the Carquinez Bridge project.
01/2001	Current Budget for the Benicia-Martinez bridge revised to reflect allocations by BATA.
03/2001	Current Budget for the Carquinez Bridge revised by BATA.
10/2001	Current Budget for the Benicia-Martinez Bridge revised by BATA.
12/2001	Current Budgets for the Benicia-Martinez and San Mateo-Hayward Bridges revised by BATA.
06/2003	Current Budget for the Bayfront Widening project revised by BATA.

BAY AREA TOLL AUTHORITY

**APPENDIX B – APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR AUGUST 2003
BENICIA-MARTINEZ BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
New Bridge 04-006034	52.0	Revise Spacing of Ferrule Loops	C	0.0	
	82.0	Resolution to NOPC #6 - Rejected Footing Strand	C	4.5	
Subtotal				4.5	
Toll Plaza 04-006044		No Approved Change Orders for August 2003			
Subtotal					
Marina Vista Interchange 04-006054	7.0	Revise NDT Requirement for 24" Pipe Pile	C	(8.0)	
	18.0	Revised Overhead Sign E	C	25.7	
Subtotal				17.7	
I-680/I-780 Interchange 04-006064		No Approved Change Orders for August 2003			
Subtotal					
South Approach 04-006094		Contract is complete.			
Totals for Aug 2003				22.2	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

**APPENDIX B – APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR AUGUST 2003
CARQUINEZ BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
Carquinez Bridge Replacement 04-013014	30.0	Adjust Item #57 - Struc. Excavation RW Class II	C	(14.3)	
	75.0	Right of Way Delays due to lack of RR Flagging	C	12.3	
	81.1	Additonal Destructive Test 2 (2 Trough Panel)	C	7.8	
	82.0	Provide for Out of State Travel	C	(10.0)	
	85.0	Paint Pin Plate Drilled Holes	C	27.4	
	94.0	Type II Suspender Connection to Cable Band	C	5.5	
	102.0	Credit for Cable Wrapping Wire Carbon Content	C	3.6	
	115.0	Mass Concrete Mix Design Credit	C	(5.2)	
	116.0	Longitudinal Bulkhead Welding Process	C	4.7	
	117.0	North Approach Treated Permeable Base	C	3.8	
	118.0	PE Stamp for Welding Gantry	C	15.4	
	120.0	Lock-tight for Suspender Plug Screws	C	6.7	
	122.0	Wrapping Wire Material Delay	C	30.0	
	123.0	Cable System Painting - Purchase DTM 3700 Enamel	C	30.0	
	124.0	Cable Band Bolt Aluminum Protectors	C	21.5	
	125.0	Urethane Cable Cleaning	C	15.0	
Subtotal				154.2	
Crockett Interchange 04-013054		No Approved Change Orders for August 2003			
Subtotal				0.0	
Maintenance Facility 04-013084		Contract is complete			
Subtotal				0.0	
Totals for Aug 2003				154.2	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

**APPENDIX B – APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR AUGUST 2003
SAN MATEO-HAYWARD BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
Widen Trestle 04-045014		Contract is complete. (Settlement of outstanding claims is underway.)			
Subtotal					
Mini-Toll Plaza 04-045024		Contract is complete.			
Subtotal					
Pedestrian Overcrossing 04-045044		Contract is complete.			
Subtotal					
Widen Roadway 04-045034		Contract is complete.			
Totals for Aug 2003					

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

**APPENDIX B - APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR AUGUST 2003
DUMBARTON BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
Bayfront Widening 04-015114	22	Relocate Electrolier & Furnish Pull Boxes	C	21.5	
	23	Maintain Existing Plants	C	5.0	
	24	Cutting Additional Traffic Loops	C	30.0	
	26	Modifications to Signal Systems	C	20.0	
	28	Install Type GOA Barrier at BPN Line	C	7.8	
	29	Modify Drainage System 31	C	146.3	
Totals for Aug 2003				230.6	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

APPENDIX C – PROJECT COST SUMMARY DETAILS

The following sheets provide detailed cost information for each of the bridge projects. Capital Outlay Support (Engineering), Capital Right-of-Way and Capital Outlay are shown for each of the projects. The Project (BATA) Contingency, as well as the bridge projects totals, is shown at the end of each bridge summary.

Definitions:

1. Capital Outlay Support includes both Caltrans and Architectural/Engineering (A/E) consultant support.
2. Capital Right of Way includes acquisition, loss of goodwill, demolition, utilities relocations, relocation assistance, title costs, and sale of excess lands.
3. Capital Outlay includes construction bid terms, external third party agreements, state-furnished materials, supplemental construction work, and construction contingencies.

Project Cost Summaries
(\$ Millions)

	EA Number	Baseline Budget June-00	Current Budget Jun-03	Current Forecast Aug-03	Net Change	Expended ¹ to Date (7/98 – 7/03)	Note
Northern Bridge Group							
<i>Project 2003 – New Benicia-Martinez Bridge</i>							
South Approach							
Capital Outlay Support	00609x	3.5	3.7	3.7	0.0	3.6	
Capital Right of Way	006099	7.0	7.7	7.7	0.0	7.2	
Capital Outlay	006094	6.0	7.0	7.0	0.0	6.7	
Total South Approach		16.5	18.4	18.4	0.0	17.5	
New Bridge							
Capital Outlay Support	00603x	31.9	42.3	42.3	0.0	33.1	
Capital Right of Way	006039	4.1	9.0	9.0	0.0	0.8	
Capital Outlay	006034	247.3	307.5	307.5	0.0	134.5	
Non-BATA Funding		0.0	10.1	10.1	0.0	3.2	
Total New Bridge		283.3	368.9	368.9	0.0	171.6	
Toll Plaza & Administration Building							
Capital Outlay Support	00604x	6.2	10.8	10.8	0.0	8.7	
Capital Right of Way	006049	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	006044	22.8	21.4	21.4	0.0	9.1	
Total Toll Plaza & Admin.		29.1	32.2	32.2	0.0	17.8	
I-680/Marina Vista Interchange							
Capital Outlay Support	00605x	10.7	15.7	15.7	0.0	12.2	
Capital Right of Way	006059	7.4	2.0	2.0	0.0	1.9	
Capital Outlay	006054	43.2	45.1	45.1	0.0	14.6	
Total I-680/MV I/C		61.4	62.8	62.8	0.0	28.7	
I-680/I-780 Interchange							
Capital Outlay Support	00606x	18.7	25.1	25.1	0.0	17.5	
Capital Right of Way	006069	1.7	1.7	1.7	0.0	1.4	
Capital Outlay	006064	80.8	54.7	54.7	0.0	34.3	
Non-BATA Funding		0.0	20.9	20.9	0.0	1.5	
Total I-680/I-780 I/C		101.2	102.4	102.4	0.0	54.6	

¹ Unaudited

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget June-00	Current Budget Jun-03	Current Forecast Aug-03	Net Change	Expended to Date (7/98 – 7/03)	Note
Project 2003 – New Benicia-Martinez Bridge (cont'd)							
Other Budgeted Capital							(a)
Capital Outlay Support		7.1	7.5	7.5	0.0	3.1	
Capital Right of Way		0.9	0.5	0.5	0.0	0.0	
Capital Outlay		28.1	30.0	30.0	0.0	1.7	
Total Other Budgeted Capital		36.1	37.9	37.9	0.0	4.7	
Total Capital Outlay Support		78.2	105.0	105.0	0.0	78.2	
Total Capital Right of Way		21.1	20.9	20.9	0.0	11.4	
Total Capital Outlay		428.2	465.8	465.8	0.0	200.7	
Non-BATA Funding		0.0	31.0	31.0	0.0	4.7	
Project Contingency (BATA)		58.4	30.1	282.1	252.0		
Total New Benicia-Martinez Bridge		586.0	652.8	904.8	252.0	295.0	
Project 3002 – Carquinez Bridge Replacement							
Replacement Bridge & North Approach							(b)
Capital Outlay Support	01301x	17.7	64.7	64.7	0.0	57.9	
Capital Right of Way	013019	3.0	3.0	3.0	0.0	3.3	
Capital Outlay	013014	213.7	239.2	239.2	0.0	209.7	
Total Replacement Bridge & N. Approach		234.4	306.9	306.9	0.0	271.0	
South Approach & Interchange							(c)
Capital Outlay Support	01305x	22.7	32.1	32.1	0.0	27.1	
Capital Right of Way	013059	5.0	5.0	5.0	0.0	4.6	
Capital Outlay	013054	116.0	73.9	73.9	0.0	52.8	
Total South Approach & I/C		143.7	110.9	110.9	0.0	84.4	
Maintenance Facility Phase I & II							(d)
Capital Outlay Support		0.7	4.7	4.7	0.0	4.4	
Capital Right of Way		1.6	1.6	1.6	0.0	1.4	
Capital Outlay		7.0	8.1	8.1	0.0	7.8	
Total Maint. Facility Ph I & II		9.3	14.5	14.5	0.0	13.6	
Demolition – 1927 Bridge							
Capital Outlay Support	01309x	2.0	5.2	5.2	0.0	2.2	
Capital Right of Way	013099	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	013094	16.0	16.0	16.0	0.0	0.0	
Total Demo – 1927 Bridge		18.0	21.2	21.2	0.0	2.2	

Notes

- (a) Includes EA 00601*, 00608*, 0060A*, 0060C*, 0060F*, 0060C*, 0060H*
- (b) Includes EA 00453*, 01301*, 01303*, 01304*
- (c) Includes EA 01302*, 01305*, 04700*
- (d) Includes EA 00607*, 01308*

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget June-00	Current Budget June-03	Current Forecast Aug-03	Net Change	Expended to Date (7/98 – 7/03)	Note
Project 3002 - Carquinez Bridge Replacement (cont'd)							
Other Budgeted Capital							(e)
Capital Outlay Support		0.6	1.7	1.7	0.0	1.2	
Capital Right of Way		0.0	1.5	1.5	0.0	0.0	
Capital Outlay		10.6	11.5	11.5	0.0	6.3	
Total Other Budgeted Capital		11.2	14.7	14.7	0.0	7.5	
Total Capital Outlay Support		43.7	108.4	108.4	0.0	92.8	
Total Capital Right of Way		9.6	11.1	11.1	0.0	9.3	
Total Capital Outlay		363.3	348.7	348.7	0.0	276.6	
Project (BATA) Contingency		16.5	11.6	31.6	20.0		
Total Carquinez Bridge		433.2	479.8	499.8	20.0	378.7	
Project 4003 – Richmond-San Rafael Bridge – West Trestle and Fender Rehabilitation							
Capital Outlay Support	0438Ux	5.4	0.7	0.7	0.0	0.7	(f)
Capital Right of Way	0438U9	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	0438U4	33.9	0.0	0.0	0.0	0.0	
Non-BATA Funding		0.0	34.6	34.6	0.0	20.5	
Project (BATA) Contingency		6.1	0.0	0.0	0.0		
Total R-SR Bridge – W. Trestle & Fender Rehabilitation		45.4	35.4	35.4	0.0	21.2	
Project 4002 – Richmond-San Rafael Bridge – Deck Rehabilitation							
Capital Outlay Support	04152x	9.0	5.0	5.0	0.0	0.3	
Capital Right of Way	041529	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	041524	33.0	33.0	33.0	0.0	0.0	
Non-BATA Funding		0.0	4.0	4.0	0.0	0.0	
Project (BATA) Contingency		11.4	11.4	11.4	0.0		
Total R-SR Bridge – Deck Rehab		53.4	53.4	53.4	0.0	0.3	
Richmond Parkway (Non-Caltrans)							
Capital Outlay Support	non-Caltrans	0.0	0.0	0.0	0.0	0.0	
Capital Right of Way	non-Caltrans	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	non-Caltrans	5.9	5.9	5.9	0.0	2.4	(g)
Total Richmond Parkway		5.9	5.9	5.9	0.0	2.4	
Total Northern Bridge Group		1123.8	1227.2	1499.2	272.0	697.6	

Notes

(e) Includes EA 01306*, 01307*, 0130A*, 0130C*, 0130D*, 0130F*, 0130G*, 0130H*, 0130J*, 0130X*

(f) Includes EA 04382*, 04383*, 0438U*

(g) Total reimbursements made to the City of Richmond for current allocation.

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget June-00	Current Budget June-03	Current Forecast Aug-03	Net Change	Expended to Date (7/98 – 7/03)	Note
Southern Bridge Group							
Project 6004 – San Mateo-Hayward Bridge Widening							
Widen Trestle							
Capital Outlay Support	04501x	7.9	22.8	22.8	0.0	20.1	(h)
Capital Right of Way	045019	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	045014	124.8	128.9	128.9	0.0	126.4	
Total Widen Trestle		132.7	151.7	151.7	0.0	146.5	
Widen Roadway							
Capital Outlay Support	04503x	4.3	6.0	6.0	0.0	6.0	
Capital Right of Way	045039	1.0	0.0	0.0	0.0	0.0	
Capital Outlay	045034	29.2	26.1	26.1	0.0	25.5	
Total Widen Roadway		34.5	32.1	32.1	0.0	31.4	
Construct Mini Toll Plaza							
Capital Outlay Support	04502x	1.7	3.8	3.8	0.0	2.4	
Capital Right of Way	045029	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	045024	4.4	6.3	6.3	0.0	6.0	
Total Mini Toll Plaza		6.1	10.1	10.1	0.0	8.4	
Other Budgeted Capital							
Capital Outlay Support		1.6	7.5	7.5	0.0	3.8	(i)
Capital Right of Way		0.5	1.5	1.5	0.0	0.5	
Capital Outlay		8.9	8.6	8.6	0.0	3.3	
Total Other Budgeted Capital		11.0	17.6	17.6	0.0	7.6	
Total Capital Outlay Support		15.5	40.1	40.1	0.0	32.3	
Total Capital Right of Way		1.5	1.5	1.5	0.0	0.5	
Total Capital Outlay		167.3	169.9	169.9	0.0	161.1	
Project (BATA) Contingency		19.3	6.0	6.0	0.0		
Total San Mateo-Hayward Bridge Widening		203.6	217.5	217.5	0.0	193.9	
San Mateo-Hayward Bridge – West Approach Replacement Planting							
Capital Outlay Support	04860x	0.1	0.1	0.1	0.0	0.0	
Capital Right of Way	048609	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	048604	0.2	0.2	0.2	0.0	0.0	
Project (BATA) Contingency		0.1	0.1	0.1	0.0		
Total SM-H Bridge W. Approach Replacement Planting		0.4	0.4	0.4	0.0	0.0	

Notes:

(h) Includes EA 04501*

(i) Includes EA 00305*, 04504*, 04505*, 04506*, 04507*, 04508*, 04509*

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget June-00	Current Budget June-03	Current Forecast Aug-03	Net Change	Expended to Date (7/98 – 7/03)	Note
I-880/SR-92 Interchange Improvement							(j)
Capital Outlay Support	23317x	20.8	24.1	24.1	0.0	14.2	
Capital Right of Way	233179	8.0	9.9	9.9	0.0	0.0	
Capital Outlay	233174	70.3	85.2	85.2	0.0	0.0	
Non-BATA Funding		0.0	9.6	9.6	0.0		
Project (BATA) Contingency		25.1	5.1	20.6	15.5		
Total I-880/SR-92 I/C Improve.		124.2	133.8	149.3	15.5	14.2	
Dumbarton Bridge West Approach Projects							
US101/University Avenue Interchange Reconstruction (non-Caltrans)							
Capital Outlay Support		0.0	0.0	0.0	0.0	0.0	
Capital Right of Way		0.0	0.0	0.0	0.0	0.0	
Capital Outlay		3.8	3.8	3.8	0.0	3.7	(k)
Total US-101/University Ave.		3.8	3.8	3.8	0.0	3.7	
Bayfront Expressway (SR-84) Widening							(l)
Capital Outlay Support	00487x	4.4	8.7	8.7	0.0	7.1	
Capital Right of Way	004879	1.3	0.2	0.2	0.0	0.2	
Capital Outlay	004874	24.8	26.6	26.6	0.0	23.2	
Project (BATA) Contingency		3.3	0.5	0.5	0.0		
Total Bayfront Expressway (SR-84)		33.8	36.0	36.0	0.0	30.4	
Total Southern Bridge Group		365.7	391.4	406.9	15.5	242.3	

Notes:

(j) Includes EA 01601* and 01602*

(k) Total reimbursements made to the City of East Palo Alto for current allocation.

(l) Includes EA 01511* and 01512*

General Notes:

1. Capital outlay support includes both Caltrans and Architectural/Engineering (A/E) consultant support.
2. Capital right of way includes acquisition, loss of goodwill, demolition, utilities relocations, relocation assistance, title costs, and sale of excess lands.
3. Capital outlay includes construction bid items, supplemental construction work, state furnished materials, construction contingencies, and external third party agreements.